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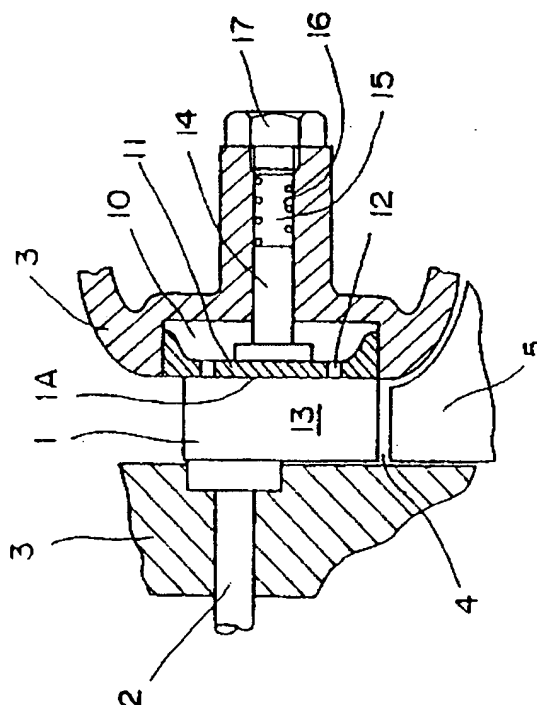
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APPLICANT : NISSAN MOTOR CO LTD;

INVENTOR : ACHINAMI SEIJI;

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TITLE : VARIABLE NOZZLE OF RADIAL
TURBINE



ABSTRACT : PURPOSE: To eliminate a gap between a nozzle van and a housing to improve the efficiency of a turbine by providing a movable wall member pressed against a wall surface position of a housing opposed to an end face of the nozzle vane.

CONSTITUTION: A plurality of nozzle vanes 1 rotatable about a pivot shaft 2 are arranged circumferentially at equal intervals along a rotor inlet portion 4 of a turbine housing 3 for receiving a turbine rotor 5. An annular groove 10 is formed to interconnect the opposed positions of the end faces 1A of nozzle vanes in the turbine housing 3. And an annular movable wall member 11 is slidably received in the annular groove 10 and pressed against the vane 1 by the force of a spring 16 through a holding pin 14. Also, the movable wall member 11 is provided with a plurality of communicating holes 12 to afford communication between a nozzle portion 13 and a space in the groove 10 so that differential pressure is not produced between both portions.

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